



Tropical Storm Barry | Report #3

REPORT TIME & DATE: 11:30 AM EDT | Sunday, July 14, 2019
INCIDENT START DATE: Friday, July 12, 2019
PRIMARY LOCATION(S): Gulf Coast
REPORT DISTRIBUTION: Public

EXECUTIVE SUMMARY

As of 11:00 AM EDT, Tropical Storm Barry was 50 miles south-southeast of Shreveport, Louisiana, moving north at 9 MPH, with maximum sustained winds of 40 MPH. On the forecast track, the center of Barry will move across the western and northern portions of Louisiana today, and over Arkansas tonight and Monday. The U.S. Department of Energy (DOE) Energy Response Organization continues to closely monitoring impacts from Barry and is holding regular coordination calls with industry partners.

Electricity Sector Summary

- As of 11:00 AM EDT, there were 141,224 customer outages reported across the states of Alabama, Arkansas, Louisiana, Mississippi, and Texas, including 131,492 customer in Louisiana.
- Utilities are beginning damage assessments and restoration efforts as conditions permit.
- Utilities in the impacted area pre-staged crews, equipment, and materials and mutual assistance networks have been activated to support restoration efforts as needed.
- Crews are unable to operate in heavily flooded areas or when wind speeds are over 34 MPH.

Oil & Natural Gas Sector Summary

- The ports of New Orleans, Baton Rouge, and South Louisiana have opened. The port of Morgan City remains closed.
- One refinery in Louisiana remains shut-in as a precaution. All other refineries are monitoring the storm but remain operations.
- Several offshore oil and natural gas production platforms shut-in as a precaution. Platforms will restart operation as conditions permit over the next few days, following safety checks.
- For the week ending on July 5, the Gulf Coast (PADD 3) had 81.7 million barrels of total gasoline stocks, according to the Energy Information Administration (EIA). This is 6% higher than the 5-year average for this time of year. The Gulf Coast also has 37.1 million barrels of total distillate stocks, which is below than the 5-year average for this time of year; however, stocks have increased since the prior week.

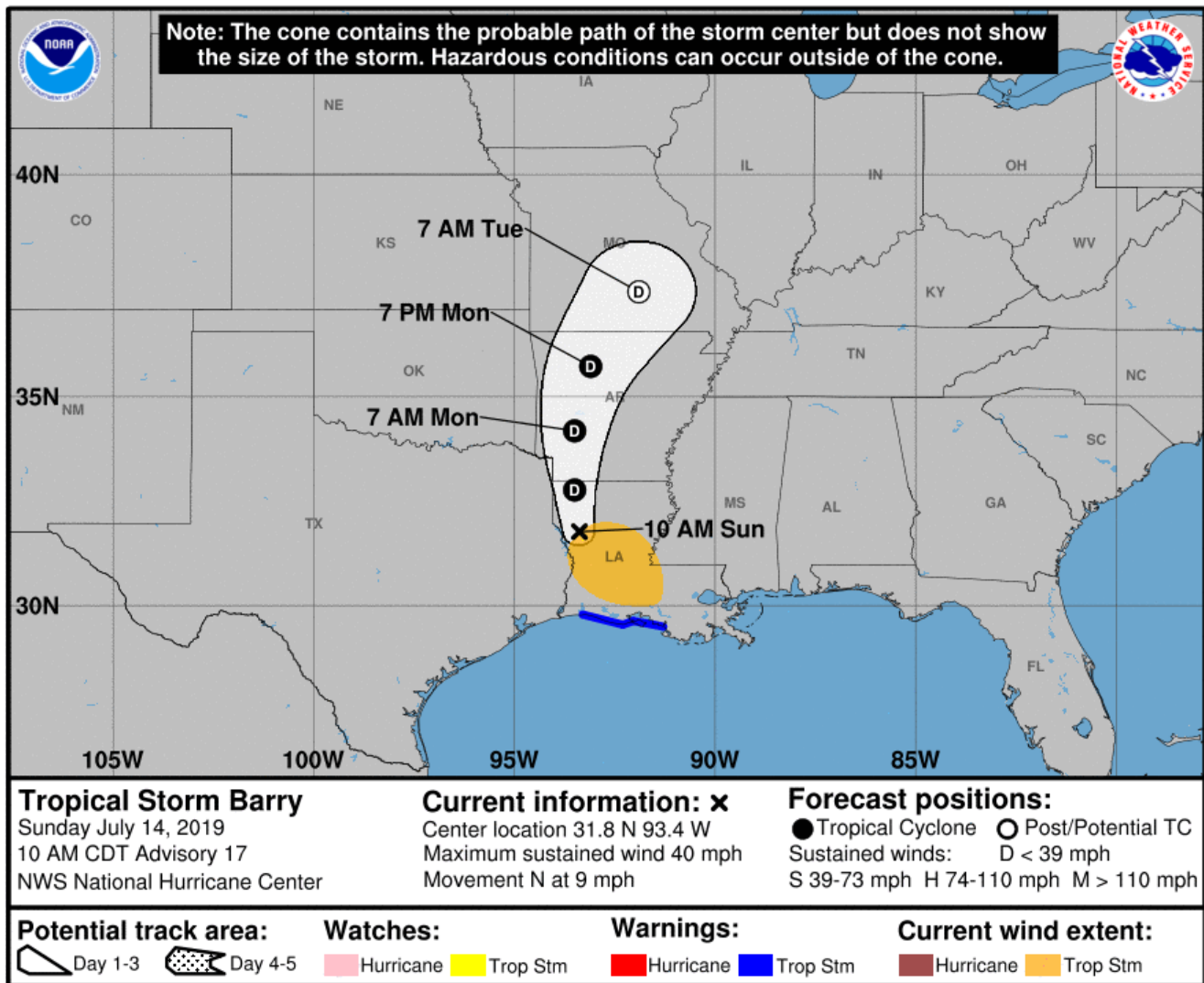


Tropical Storm Barry

As of 11:00 AM EDT, Tropical Storm Barry was 50 miles south-southeast of Shreveport, Louisiana, moving north at 9 MPH, with maximum sustained winds of 40 MPH. Tropical storm-force winds extend outward up to 175 miles from the center. Barry is expected to turn toward the north-northeast or northeast Monday afternoon into Tuesday. On the forecast track, the center of Barry will move across the western and northern portions of Louisiana today, and over Arkansas tonight and Monday.

Barry is expected to produce total rain accumulations of 6 to 12 inches over south-central Louisiana, with isolated maximum amounts of 15 inches. Rainfall accumulation of 4 to 8 inches is expected over the remainder of the Lower Mississippi Valley.

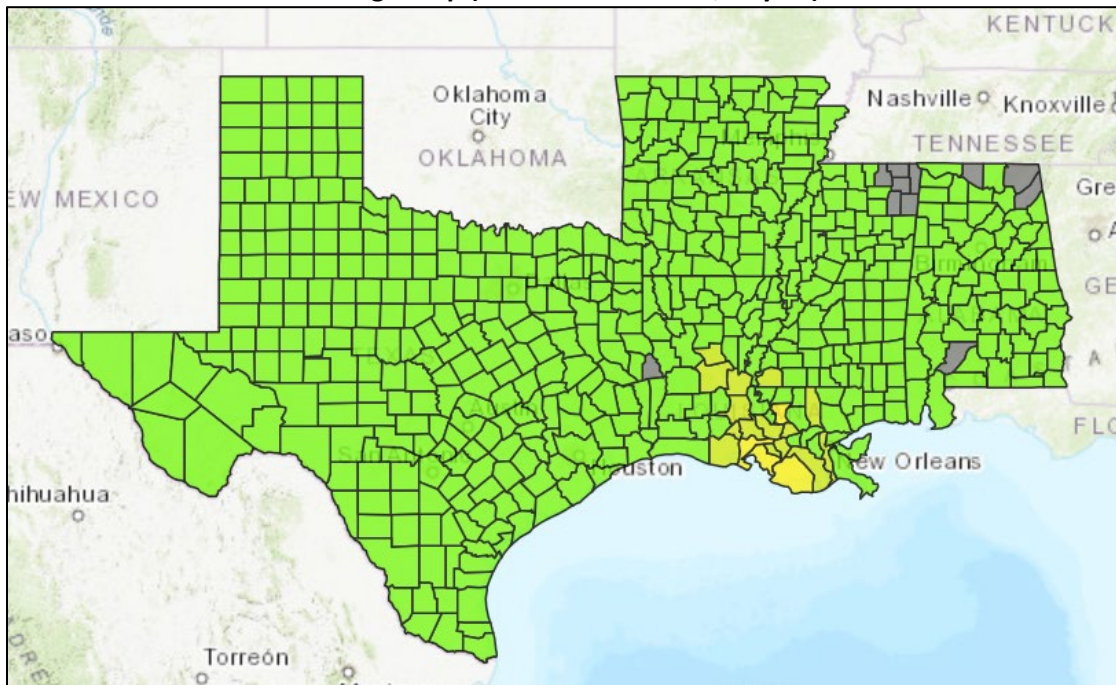
A tropical storm warning remains in effect from Morgan City to Cameron. Additionally flood warnings and flash flood warnings and watches are in effect across portions of the Mississippi Valley, along with a tornado watch in portions of southeastern Louisiana and southwestern Mississippi.



ELECTRICITY SECTOR

POWER OUTAGES

Outage Map (as of 11:00 AM EDT, July 14)



ELECTRICITY OUTAGES AS OF 11:00 AM EDT 7/14/2018

Impacted State	Current Customers Outages	Percent of Total Customers in State without Power	24-Hour Peak Customer Outages
Alabama	270	0.01%	6,027
Arkansas	730	0.06%	1,849
Louisiana	131,492	6.34%	186,642
Mississippi	6,467	0.58%	6,467
Texas	2,256	0.02%	16,196
Total	141,224	-	*

**There is no sum of the Peak Customer Outage column because peaks for individual utilities occur at different times.*

ELECTRICITY IMPACTS & RESTORATION EFFORTS

- As of 9:45 AM EDT on July 14, Entergy Louisiana reports a team of approximately 3,400 workers are continuing damage assessments and started restoration efforts on July 13, but are facing challenges due to flooding, impassable roadways, and high winds preventing the use of bucket trucks in some locations.
- As of 9:00 AM EDT on July 14, Singing River Electric Cooperative reports steady, but minor outages. Servicemen and crews responding to restore power in Gautier City.
- As of 8:00 AM EDT on July 14, the Lafayette Utilities System reports approximately 1,000 customers remain without power and crews are actively restoring power.
- As of 10:00 PM EDT on July 13, Southwest Mississippi Electric Cooperative reports ongoing restoration efforts to 1,225 customers including areas of east Jefferson, southwest Copiah, northwest Lincoln and north Franklin counties.
- As of 9:00 PM EDT on July 13, Alabama Power Mobile Division is down to nearly 100 outages as crews continue restoration in the downtown and Bayou la Batre areas.

- As of July 12, Entergy Louisiana workforce totals more than 2,800 workers, including 2,000 line and vegetation workers onsite and enroute. After the storm passes, Entergy Louisiana will deploy scouts to assess damage to provide estimated restoration times.
- As of July 12, the Lafayette Utilities System (LUS) reports the city of Tallahassee, Florida and the Gainesville Regional Utilities are providing an additional 80 tree-trimmers, mechanics, and line workers to support restoration.
- As of July 11, Central Louisiana Electric Company (CLECO) has increased number of external resources to 800 line mechanics and 395 vegetation specialists.

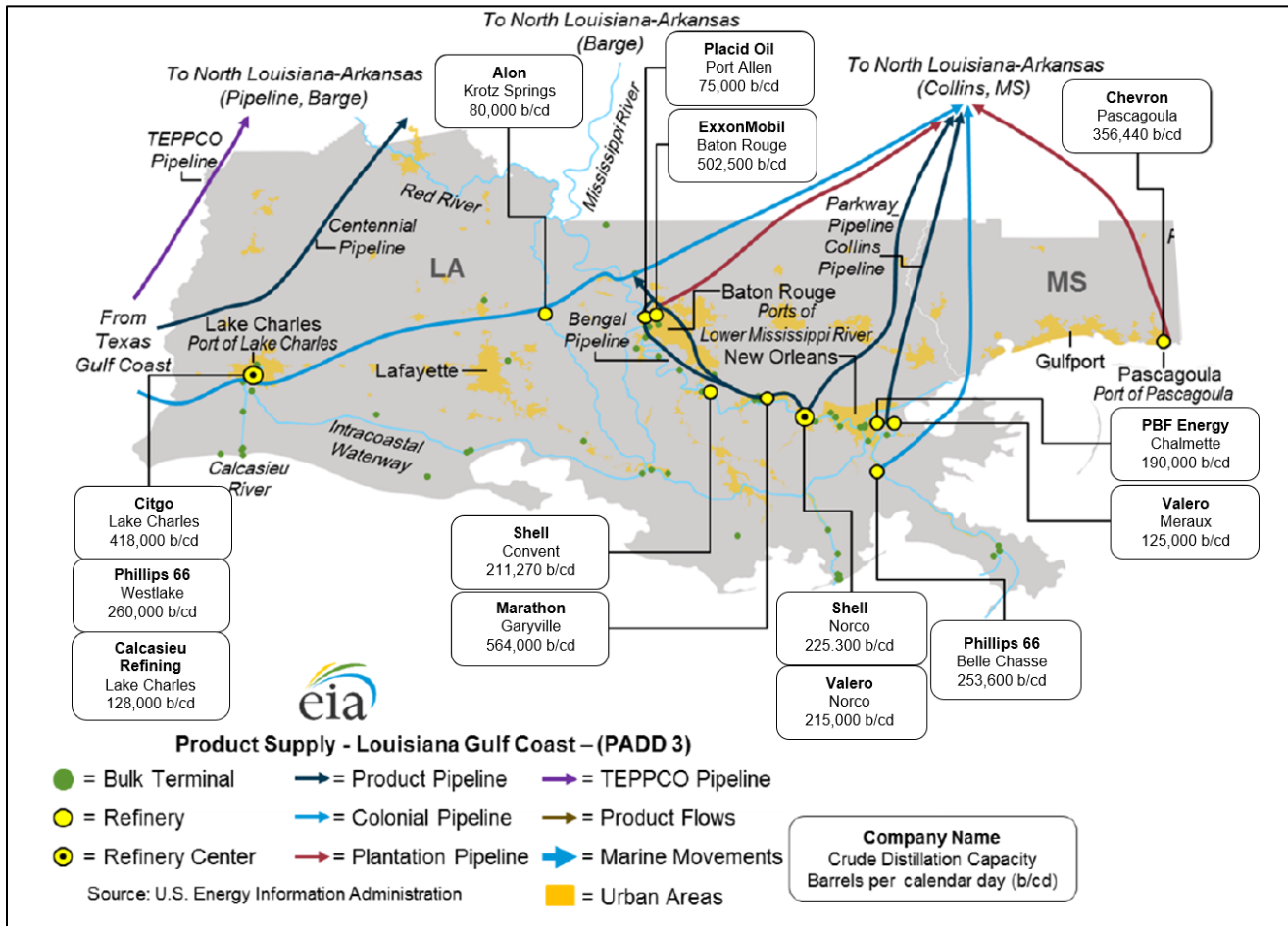
BACKGROUND AND PREPARATIONS

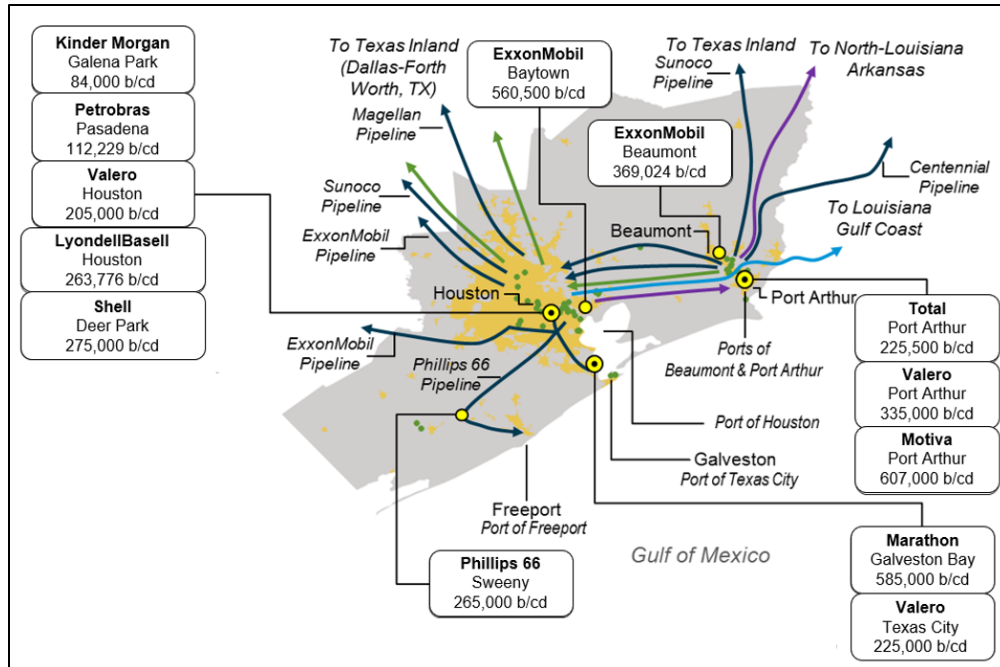
- The affected area is served by several utilities, including investor owned utilities, municipal utilities, and cooperative utilities. The three associations that represent these utilities and manage the mutual assistance networks, the Edison Electric Institute (EEI), American Public Power Association (APPA), and the National Rural Electric Cooperative Association (NRECA), have been in regular contact with DOE, the potentially affected entities, and their mutual assistance networks.
- Potentially affected utilities have prepositioned crews, materials, and equipment to begin restorations as conditions permit.
- Mutual assistance networks have been activated and are ready to support restoration efforts if requested.
- Sustained winds over 34 mph prevent bucket truck operation. Flooded equipment will need to be dried and tested before being reenergized.
- Fluctuation in the outage numbers is expected and normal during large-scale restoration efforts.

OIL & NATURAL GAS SECTOR

OVERVIEW

Just over half of total U.S. refining capacity is located in the Gulf Coast (PADD 3) region. Gulf Coast refinery production is critical for supplying fuels to markets in the high-demand East Coast (PADD 1) region. Products move out of the Gulf Coast region on the Colonial and Plantation pipeline systems to Southeast and Central Atlantic markets, and via tanker and barge to Florida. The Gulf Coast refineries export approximately 20% of production to foreign countries. This provides a significant “export buffer,” allowing refiners to shift fuel production away from exports to make up for shortages in domestic markets. The maps below highlight the petroleum supply chain in the Louisiana and Texas Gulf Coast regions.





OFFSHORE OIL & GAS PRODUCTION

- As of 12:30 PM EDT, July 13, 1.33 million barrels per day (b/d) (70.0%) of the oil production and 1.55 billion cubic feet per day (Bcf/d) (55.6%) of the natural gas production in the federally administered areas of the U.S. Gulf of Mexico are shut-in, according to estimates by the Bureau of Safety and Environmental Enforcement (BSEE). In addition, BSEE reports that 283 out of 669 manned platforms have been evacuated; 10 out of 21 non-dynamically positioned rigs have been evacuated; and 6 out of 20 dynamically positioned rigs have moved out of the storm’s path as a precaution.

PORTS

- The U.S. Coast Guard has set the following conditions for Gulf Coast ports as a result of Tropical Storm Barry.

Status of Gulf Coast Petroleum Ports as of 10:30 AM EDT 07/14/2019						
Port Sector/ Port	Status	Date Stamp	2017 Crude Volumes (b/d)		2017 Product Volumes (b/d)	
			In	Out	In	Out
Sector Mobile						
Mobile, AL	Open. Port status Normal.	7/12	73,099	5,171	1,560	48,485
Pascagoula, MS	Open. Port status X-Ray.	7/12	51,020	41	3,980	40,890
New Orleans						
New Orleans, LA	Open. Port status Normal.	7/14	73,374	20,206	20,989	226,100
Baton Rouge, LA	Open. Port status Normal.	7/14	16,059	1,774	11,673	25,510
South Louisiana	Open. Port status Normal.	7/14	46,182	0	754	0
Houma						
Morgan City	Closed. Port status Zulu.	7/12	110,210	1,560	156	50
LOOP	Closed. Port status Zulu.	7/12				
Port Arthur and Lake Charles						
Beaumont, TX	Open. Port status Recovery.	7/14	27,751	60,368	22,139	69,140
Lake Charles, LA	Open. Port status Recovery.	7/14	115,913	1,140	15,170	66,132

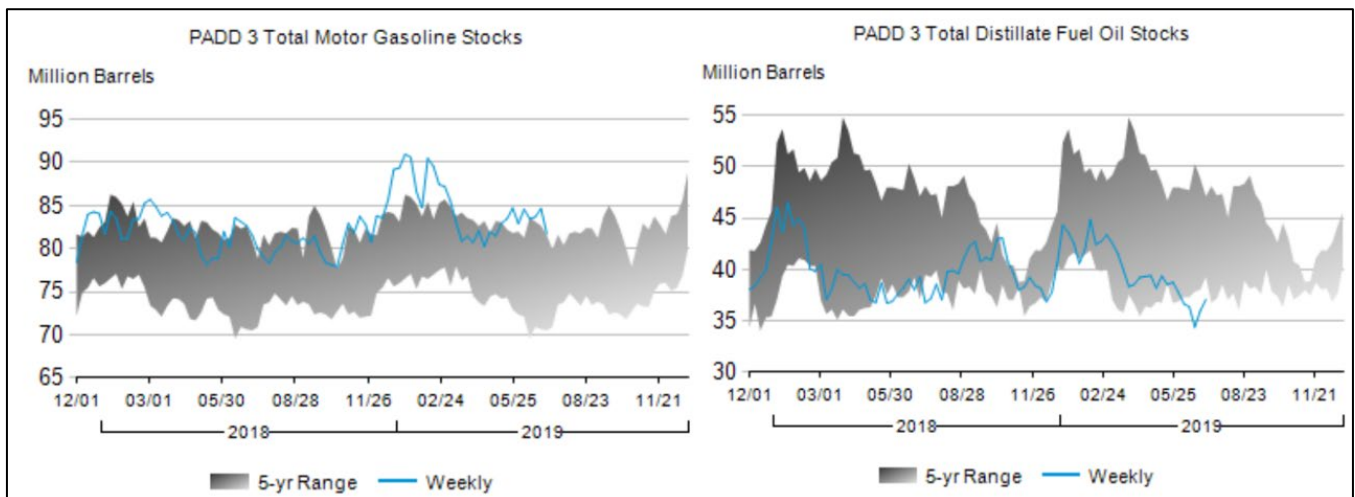
Source: Port status from U.S. Coast Guard [Homeport](#); Crude and product volumes as of 2017 from U.S. Army Corp of Engineers Waterborne Commerce Statistics and EIA Company Level Imports

PETROLEUM REFINERIES

- As of 10:30 AM July 14, only one refinery has been shut down due to Barry. All other refineries are operational and monitoring the storm.

FUEL STOCKS

- For the week ending on July 5, 2019, the Gulf Coast (PADD 3) had 81.7 million barrels of total gasoline stocks, according to the Energy Information Administration (EIA). This is 6% higher than the 5-year average for this time of year. For the week ending on July 5, the Gulf Coast had 37.1 million barrels of total distillate stocks, according to EIA. This is 14% lower than the 5-year average for this time of year.



EMERGENCY DECLARATIONS & WAIVERS

EMERGENCY DECLARATIONS

To provide vital supplies and transportation services to a disaster area in the United States, emergency declarations may be issued by the President, Governors of States, or Federal Motor Carrier Safety Administration (FMCSA). These declarations trigger the temporary suspension of certain Federal safety regulations, including Hours of Service, for motor carriers and drivers engaged in specific aspects of the emergency relief effort. See [49 CFR 390.23](#) for the actual emergency regulation.

State(s)	Details	Effective Dates		Status
		Start	End	
AL, AR, FL, GA, IL, IN, KS, KY, LA, MS, MO, OK, TN, TX	FMCSA Regional Declaration of Emergency	7/11/19	8/10/19	Active
Louisiana	State of Emergency	7/10/19	8/8/19	Active
Mississippi	State of Emergency	7/12/19	--	Active

Sources: [U.S. Department of Transportation](#); Governor Office Websites